



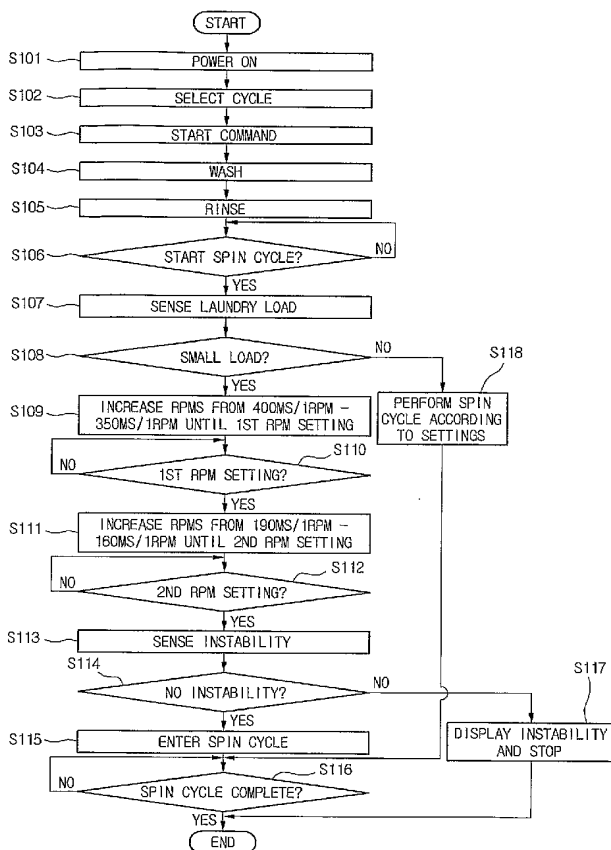
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| <p><b>(51) International Patent Classification:</b><br/> <i>D06F 33/02</i> (2006.01)</p> <p><b>(21) International Application Number:</b><br/> PCT/KR2005/003833</p> <p><b>(22) International Filing Date:</b><br/> 11 November 2005 (11.11.2005)</p> <p><b>(25) Filing Language:</b> Korean</p> <p><b>(26) Publication Language:</b> English</p> <p><b>(30) Priority Data:</b><br/> 10-2004-0091955<br/> 11 November 2004 (11.11.2004) KR<br/> 10-2004-0091956<br/> 11 November 2004 (11.11.2004) KR</p> <p><b>(71) Applicant (for all designated States except US):</b> <b>LG ELECTRONICS INC.</b> [KR/KR]; 20, Yoido-dong, Youngdungpo-ku, Seoul 105-875 (KR).</p> | <p><b>(72) Inventors; and</b><br/> <b>(75) Inventors/Applicants (for US only):</b> <b>KWON, Ho Cheol</b> [KR/KR]; 89-3, Sapa-dong, Changwon-si, Gyeongsangnam-do 641-550 (KR). <b>SONG, Hack Jai</b> [KR/KR]; 706-1952, Sogye-dong, Changwon-si, Gyeongsangnam-do 641-480 (KR). <b>KIM, Beom Jun</b> [KR/KR]; 203-2018, Seongwon2cha Apt., Sangnam-dong, Changwon-si, Gyeongsangnam-do 641-010 (KR). <b>YIM, Il Jyeok</b> [KR/KR]; 206-1803, Sandeul Maeul, 1578-1610, Ilsan 2-dong, Ilsan-gu, Goyang-si, Gyeonggi-do 411-312 (KR). <b>CHOI, Kang Mo</b> [KR/KR]; 106-1301, Hyundai Apt., 253-1, Naeseo-eup, Hoiwon-gu, Masan-si, Gyeongsangnam-do 630-850 (KR).</p> <p><b>(74) Agent:</b> <b>HAW, Yong Noke</b>; 8th Fl., Songchon Bldg., 642-15 Yeoksam-dong, Kangnam-ku, Seoul 135-080 (KR).</p> <p><b>(81) Designated States (unless otherwise indicated, for every kind of national protection available):</b> AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,</p> |
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**(54) Title:** WASHING MACHINE AND CONTROLLING METHOD OF THE SAME



**(57) Abstract:** A washing machine and a controlling method thereof are provided. The washing machine and controlling method use a sensor to sense a load of laundry at a predetermined point during a wash cycle, and controls the rotating speed of a drum based on whether the sensed load of laundry is a small load or a single article, in order to untangle laundry and implement a spin cycle.



GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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